## **Refine Search**

#### Search Results -

Terms	Documents
L4 and 562/\$	27

US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database

Database:

EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index

IBM Technical Disclosure Bulletins

Search:

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	Recall Text Clear	Interrupt	40 -

# **Search History**

DATE: Tuesday, October 09, 2007 Purge Queries Printable Copy Create Case

Set Name	<u>e Query</u>	Hit Count S	et Name	
side by sid	e		result set	
DB=Pc	GPB, $USPT$ , $USOC$ , $EPAB$ , $JPAB$ , $DWPI$ , $TDBD$ ; $PLUR=YES$ ; $OP=A$	1DJ		
<u>L5</u>	L4 and 562/\$	27	<u>L5</u>	
<u>L4</u>	L3 and metal catalyst	120	<u>L4</u>	
<u>L3</u>	L2 and (isophthalic acid or 2,6\$1naphthalene dicarboxylic acid)	1350	<u>L3</u>	
<u>L2</u>	L1 and porous\$8 and terephthalic acid	2224	<u>L2</u>	
1.1	HYDROGEN\$9 AND CATALYST	453102	L1	

END OF SEARCH HISTORY

## **Hit List**

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 10 of 27 returned.

1. Document ID: US 20060149097 A1

L5: Entry 1 of 27

File: PGPB

Jul 6, 2006

PGPUB-DOCUMENT-NUMBER: 20060149097

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060149097 A1

TITLE: Hydrogenation processes

PUBLICATION-DATE: July 6, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Soled; Stuart Leon	Pittstown	NJ	US
Malek; Andrzel	Baton Rouge	LA	US
Vartuli; James Clarke	Schwenksville	PA	US
Feeley; Jennifer Schaefer	Lebanon	NJ	US
Miseo; Sabato	Pittstown	NJ	US
Shifang; Luo	Pittsford	NY	US
Schlosberg; Richard Henry	Bridgewater	NJ	US
Baumgartner; Joseph Ernest	Califon	NJ	US
Kliewer; ChristineE	Clinton	NJ	US
Ragomo; StevenT	Perkasie	PA	US

US-CL-CURRENT: 562/487; 562/570, 562/571

Full Tit	le Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawi De

☐ 2. Document ID: US 20040199006 A1

L5: Entry 2 of 27

File: PGPB

Oct 7, 2004

PGPUB-DOCUMENT-NUMBER: 20040199006

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040199006 A1

TITLE: Production of aromatic carboxylic acids

PUBLICATIÓN-DATE: October 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Graham, Derek Alexander	Cleveland		GB
Hamley, Paul Anthony	Nottingham		GB
Oliver, Raymond	Stockton On Tees		GB
Poliakoff, Martyn	Nottingham		GB
Woodcock, Duncan C.	Cheshire		GB
Ilkenhans, Thomas	Cambridge		GB

US-CL-CURRENT: 562/412

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, D

☐ 3. Document ID: US 20030023115 A1

L5: Entry 3 of 27

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030023115

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030023115 A1

TITLE: Air oxidation of an aromatic aldehyde to an aromatic acid

PUBLICATION-DATE: January 30, 2003

INVENTOR - INFORMATION:

NAME CITY STATE COUNTRY

Shekhar, Ratna Madison NJ US Girgis, Michael John Montville NJ US

US-CL-CURRENT: 562/421

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawi D

☐ 4. Document ID: US 20020028968 A1

L5: Entry 4 of 27 File: PGPB Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020028968

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020028968 A1

TITLE: Production of aromatic carboxylic acids

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Graham, Derek Alexander Cleveland GB Hamley, Paul Anthony Nottingham GB Ilkenhans, Thomas Cambridge
Oliver, Raymond Stockton on Tees
Poliakoff, Martyn Nottingham
Woodcock, Duncan C. Cheshire

US-CL-CURRENT: 562/415

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

5. Document ID: US 7238833 B2

L5: Entry 5 of 27

File: USPT

Jul 3, 2007

GB

GB

GB

GB

US-PAT-NO: 7238833

DOCUMENT-IDENTIFIER: US 7238833 B2

TITLE: Production of aromatic carboxylic acids

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040199006 A1

October 7, 2004

Full Title Citation Front Review Classification Date Reference Sequences Attackments Claims KWC Draw. De

☐ 6. Document ID: US 6765113 B2

L5: Entry 6 of 27

File: USPT

Jul 20, 2004

US-PAT-NO: 6765113

DOCUMENT-IDENTIFIER: US 6765113 B2

TITLE: Production of aromatic carboxylic acids

Full Title Citation Front Review Classification Date Reference Sequences Claims KWIC Draw De

7. Document ID: US 6740776 B2

L5: Entry 7 of 27

File: USPT

May 25, 2004

US-PAT-NO: 6740776

DOCUMENT-IDENTIFIER: US 6740776 B2

TITLE: Air oxidation of an aromatic aldehyde to an aromatic acid

Full Title Citation Front Review Classification Date Reference Screen State Media Claims KWIC Draws De

8. Document ID: US 5756833 A

L5: Entry 8 of 27

File: USPT

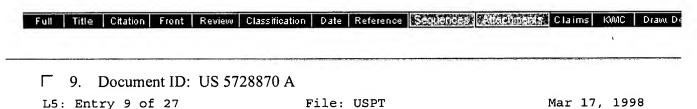
May 26, 1998

US-PAT-NO: 5756833

DOCUMENT-IDENTIFIER: US 5756833 A

\*\* See image for Certificate of Correction \*\*

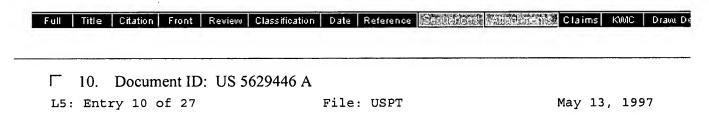
TITLE: Catalytic purification and recovery of dicarboxylic aromatic acids



US-PAT-NO: 5728870

DOCUMENT-IDENTIFIER: US 5728870 A

TITLE: Process for preparing purified 2,6-naphthalenedicarboxylic acid

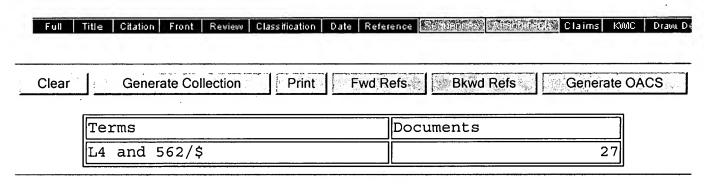


US-PAT-NO: 5629446

DOCUMENT-IDENTIFIER: US 5629446 A

\*\* See image for Certificate of Correction \*\*

TITLE: Process for preparing purified 2,6-naphthalenedicarboxylic acid



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First Hit Clear Generate Collection Refs Refs Bkwd Refs
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Search Results - Record(s) 11 through 20 of 27 returned.

☐ 11. Document ID: US 5616792 A

L5: Entry 11 of 27

File: USPT

Apr 1, 1997

US-PAT-NO: 5616792

DOCUMENT-IDENTIFIER: US 5616792 A

\*\* See image for Certificate of Correction \*\*

TITLE: Catalytic purification of dicarboxylic aromatic acid

Full Title Citation Front Review Classification Date Reference Servicines Statements Claims KWIC Draw. De

☐ 12. Document ID: US 5563294 A

L5: Entry 12 of 27

File: USPT

Oct 8, 1996

US-PAT-NO: 5563294

DOCUMENT-IDENTIFIER: US 5563294 A

\*\* See image for Certificate of Correction \*\*

TITLE: Process for preparing purified 2,6-naphthalenedicarboxylic acid

Full Title Citation Front Review Classification Date Reference Securities Aleganics Claims KWC Draw. Do

☐ 13. Document ID: US 5502247 A

L5: Entry 13 of 27

File: USPT

Mar 26, 1996

US-PAT-NO: 5502247

DOCUMENT-IDENTIFIER: US 5502247 A

\*\* See image for Certificate of Correction \*\*

TITLE: Process for recovery of aromatic acid or ester and polyol from waste polyester resins

Full Title Citation Front Review Classification Date Reference Sequences Attackments Claims KWIC Draw, De

☐ 14. Document ID: US 5473102 A

L5: Entry 14 of 27

File: USPT

Dec 5, 1995

US-PAT-NO: 5473102

Record List Display Page 2 of 3

DOCUMENT-IDENTIFIER: US 5473102 A

\*\* See image for Certificate of Correction \*\*

TITLE: Process for recovery of aromatic acid and dihydric alcohol from waste

polyester resins



☐ 15. Document ID: US 5453538 A

L5: Entry 15 of 27

File: USPT

Sep 26, 1995

US-PAT-NO: 5453538

DOCUMENT-IDENTIFIER: US 5453538 A

\*\* See image for Certificate of Correction \*\*

TITLE: Process for the manufacture of aromatic dicarboxylic acids utilizing cerium to facilitate a low bromine to <a href="mailto:metals.catalyst">metals.catalyst</a> ratio



☐ 16. Document ID: US 5414113 A

L5: Entry 16 of 27

File: USPT

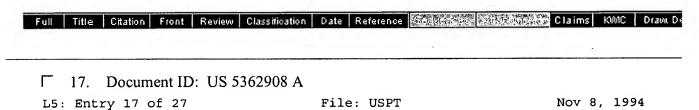
May 9, 1995

US-PAT-NO: 5414113

DOCUMENT-IDENTIFIER: US 5414113 A

\*\* See image for Certificate of Correction \*\*

TITLE: Process for recovery of aromatic acid from waste polyester resin

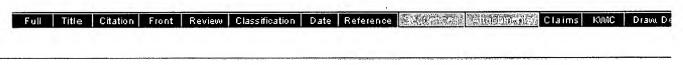


US-PAT-NO: 5362908

DOCUMENT-IDENTIFIER: US 5362908 A

\*\* See image for Certificate of Correction \*\*

TITLE: <u>Catalyst</u> and method for purifying crude <u>terephthalic acid</u>, <u>isophthalic acid</u> or naphthalene dicarboxylic acid



18. Document ID: US 5354898 A

L5: Entry 18 of 27

File: USPT

Oct 11, 1994

Page 3 of 3

Record List Display

US-PAT-NO: 5354898

DOCUMENT-IDENTIFIER: US 5354898 A

TITLE: Method for purifying crude aromatic carboxylic acids



☐ 19. Document ID: US 5113015 A

L5: Entry 19 of 27

File: USPT

May 12, 1992

US-PAT-NO: 5113015

DOCUMENT-IDENTIFIER: US 5113015 A

\*\* See image for Certificate of Correction \*\*

TITLE: Recovery of acetic acid from methyl acetate



☐ 20. Document ID: US 5110984 A

L5: Entry 20 of 27

File: USPT

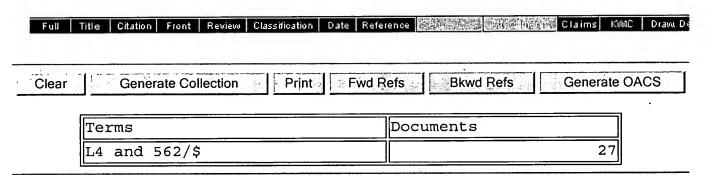
May 5, 1992

US-PAT-NO: 5110984

DOCUMENT-IDENTIFIER: US 5110984 A

\*\* See image for Certificate of Correction \*\*

TITLE: Process for increasing the yield of purified  $\underline{isophthalic\ acid}$  and reducing waste-water treatment a



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Search Results - Record(s) 21 through 27 of 27 returned.

☐ 21. Document ID: US 4937378 A

L5: Entry 21 of 27

File: USPT

Jun 26, 1990

US-PAT-NO: 4937378

DOCUMENT-IDENTIFIER: US 4937378 A

\*\* See image for Certificate of Correction \*\*

TITLE: Purification of crude isophthalic acid

Full Title Citation Front Review Classification Date Reference Caracter Company Claims KWC Draw De

☐ 22. Document ID: US 4933492 A

L5: Entry 22 of 27

File: USPT

Jun 12, 1990

US-PAT-NO: 4933492

DOCUMENT-IDENTIFIER: US 4933492 A

\*\* See image for Certificate of Correction \*\*

TITLE: Purification of crude isophthalic acid

Full Title Citation Front Review Classification Date Reference (新華) (1997) (1997) Claims KWC Draw De

☐ 23. Document ID: US 4675438 A

L5: Entry 23 of 27

File: USPT

Jun 23, 1987

US-PAT-NO: 4675438

DOCUMENT-IDENTIFIER: US 4675438 A

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Direct continuous flow integration of production and purification of high purity iso- or terephthalic acid

Full Title Citation Front Review Classification Date Reference

☐ 24. Document ID: US 4288588 A

L5: Entry 24 of 27

File: USPT

Sep 8, 1981

US-PAT-NO: 4288588

DOCUMENT-IDENTIFIER: US 4288588 A

\*\* See image for Certificate of Correction \*\*

TITLE: Methyl-substituted polyphenylcarboxylic acids



25. Document ID: US 4255590 A

L5: Entry 25 of 27

File: USPT

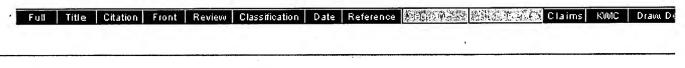
Mar 10, 1981

US-PAT-NO: 4255590

DOCUMENT-IDENTIFIER: US 4255590 A

\*\* See image for Certificate of Correction \*\*

TITLE: Combination of pyrolysis and incineration of solid mixture of oxygen-containing aromatic compounds obtained as residue of manufacture of benzene di- and tricarboxylic acids



☐ 26. Document ID: US 4238294 A

L5: Entry 26 of 27

File: USPT

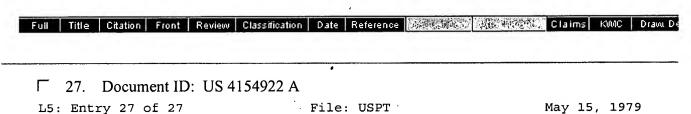
Dec 9, 1980

US-PAT-NO: 4238294

DOCUMENT-IDENTIFIER: US 4238294 A

TITLE: Process for recovering heavy metal ions or heavy metal ions and halogen

values from solutions comprising a lower aliphatic monocarboxylic acid



US-PAT-NO: 4154922

DOCUMENT-IDENTIFIER: US 4154922 A

\*\* See image for Certificate of Correction \*\*

TITLE: Polyesters of methyl-substituted polyphenylcarboxylic acids

